

## A New Species of *Calephelis* from Guatemala (Lycaenidae: Riodininae)

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**Abstract.** A new species of *Calephelis* (Riodininae) is named from northern Guatemala.

### Introduction.

McAlpine (1971) suggested that Guatemala may be the center of distribution of the genus *Calephelis* (Lycaenidae: Riodininae). During field work at Parque Nacional Tikal in Petén, northern Guatemala, in February 1992, a striking new species was taken. This is named and described below.

### *Calephelis tikal* new species

Figs. 1, 2 (male), 3 (male genitalia)

**Description.** Male. Forewing length = 11.6 mm (holotype), 11.8 mm (paratype). Dorsum dark brown with prominent gray cast especially on outer third of both wings; wing bases with five indistinct, concentric, black lines, more-or-less continuous from costa to inner margin, the outer very broad on both wings, extending basad nearly to next line; marginal and submarginal lines faint (especially on forewing), iridescent blue-gray, the outer thin, parallel to outer margin, broken slightly at veins, the inner somewhat irregular, broken and disjunct (on forewing) at veins; row of rather large, but indistinct, black dots between iridescent lines; fringes gray-brown, paler than ground color.

Ventral surface dark red-brown with black overscaling, especially distally; markings of dorsum repeated, more prominent; outer basal line doubled throughout length on both wings, area between dusted with black anteriorly on forewing; iridescent lines broader, prominent.

Head, thorax, and abdomen concolorous with wings above and (including legs) below; antennae black with white annular rings, tip of club yellow-orange.

Genitalia: valvae of moderate length, broad in lateral view, robust and broad in ventral view; transtilla slightly longer than valvae, relatively broad, curved dorsad to a slight hook.

Female. Unknown.

**Types.** Holotype male with the following labels: white, printed - GUATEMALA / Petén, Parque / Nacional Tikal / #6, 12:15-12:45 / 2 February 1992 / leg. G. T. Austin; white, printed and handprinted - Genitalia Vial / GTA - 2385; red, printed - HOLOTYPE / *Calephelis tikal* / Austin. One paratype male with same location and collector as holotype, 6 February 1992.



Figure 1. *Calephelis tikal* Austin - holotype male, dorsal surface. Data in text.  
 Figure 2. *Calephelis tikal* - holotype male, ventral surface.

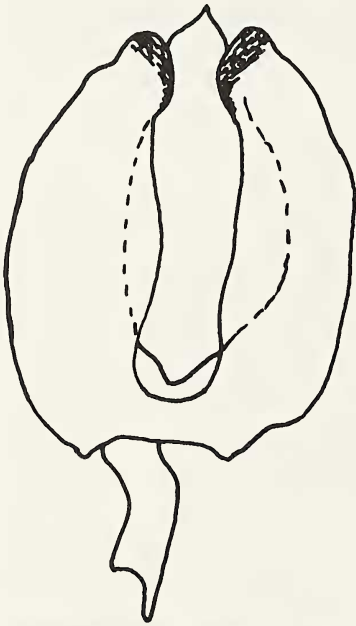


Figure 3. *Calephelis tikal* - holotype male genitalia, ventral view.

**Deposition of types.** The holotype will be deposited at the Allyn Museum of Entomology, Sarasota, Florida. The paratype will be retained for now by the author.

**Type locality.** GUATEMALA: Petén; Parque Nacional Tikal, 200 m. The types were taken along the side of the main road, just south of the ruins at Tikal.

**Distribution and phenology.** This species is known at present only from the two types taken in February.

**Etymology.** The species is named after its type locality, the ruins of the Mayan city of Tikal.

**Diagnosis and discussion.** This is the darkest of the known *Calephelis*, so dark that the initial impression is that of a *Charis*. The male genitalia

most closely resemble those of *Calephelis acapulcoensis* McAlpine with the transtilla slightly exceeding the length of the valvae. The valvae of *C. tikal*, however, are broader and less curved. The valvae are similarly broader than those of *Calephelis azteca* McAlpine and *Calephelis guatemala* McAlpine and less curved than those of the latter and *Calephelis yucatan* McAlpine.

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### **Literature Cited**

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